

Report on Faculty Development Program
The Transformative Role of AI in Urban Development, Healthcare Advancements, and Emerging Industries



7th-12th July, 2025

**AICTE Training and Learning Academy (ATAL) Sponsored Six Day Faculty
Development Program**

On

**"The Transformative Role of AI in Urban Development, Healthcare Advancements, and
Emerging Industries"**

Organized by

Department of Computer science



Shri Gnanambica Degree College (Autonomous)
Accredited By NAAC with A⁺
Madanapalle
Andhra Pradesh-517325
www.shrignanambicacollege.edu.in

Event Details:

Date: 07/07/2025–12/07/2025

Time: 9:30 AM to 5:00PM

Mode of delivery: Offline

Convenor:

Mrs. Rama Devi, Principal

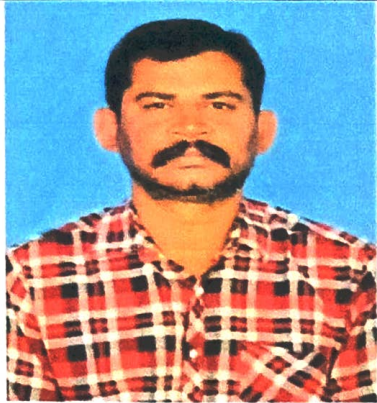
Coordinator:

Ms.S. Kavitha, Assistant Professor, Department of computer science

Resource Persons Details:

These speakers for the 6-day FDP on “**The Transformative Role of AI in Urban Development, Healthcare Advancements, and Emerging Industries**” were:

	<p>Dr. M. Humera Khanam, whose brilliance in research and dedication to teaching continue to illuminate many young minds. Dr. M. Humera Khanam is a Professor and BoS Chairperson in the Department of Computer Science and [Type text] Engineering at Sri Venkateswara University, Tirupati, with 26 years of teaching experience. She holds B.Tech, M.Tech, and Ph.D. degrees in Computer Science and Engineering. Her research interests include Artificial Intelligence, Machine Learning, Speech and Language Processing, Human Computer Interaction, and Big Data. She has published numerous papers, authored three books, and guided several B.Tech, M.Tech, and Ph.D. scholars. She is an IEEE member and recipient of prestigious awards such as the State Best Professor Award, National Award for Teaching Excellence, and Outstanding Faculty Award.</p>
	<p>Mr. M. S. Rajanikanth is an Assistant Professor in the Department of Computer Science, specializing in Java programming. A certified SCJP and Wipro Faculty in both Java and AWS, he brings over 24 years of experience training students in computer programming. His career began with 11 years of distinguished service in the Indian Armed Forces, instilling a deep sense of discipline, integrity, and commitment. At the university, he actively mentors students through quiz competitions, technical seminars, and workshops—both online and offline. Currently</p>



engaged in research on Indian Knowledge Systems (IKS) and Universal Human Values, he has already contributed two publications in these interdisciplinary fields. Combining military rigor, academic excellence, industry credentials, and scholarly pursuits, Mr. Rajanikanth is a respected educator whose teaching and mentorship are both structured and deeply relevant.



Dr. Manoj Kumar M V is a Professor in Information Science and Engineering at Nitte Meenakshi Institute of Technology, Bengaluru, with 14 years of academic experience. He holds a B.E. and M.Tech. in Computer Science and Engineering from VTU Belgaum, and a Ph.D. from NITK Surathkal with an MHRD fellowship. His research focuses on Process Mining, Data Mining, and Machine Learning. He has published 30+ papers and delivered 30+ talks/workshops. A Google-certified mobile app developer, he has executed consultancy projects worth ₹12 Lakhs and manages funded projects worth ₹5 Lakh. He received a gold medal from FKCCI for his Ph.D. work and has visited six countries for research collaborations.



Vijaya Raju holds a Bachelor's degree in Computer Science and Engineering from Siddhartha Engineering College and a Master's degree in Computer Science and Engineering from SRM University, Chennai. With a strong academic foundation, he has built an impressive professional career in the field of cyber security and IT infrastructure. He is currently working as a Senior Cyber security Engineer at Unisys, where he has accumulated over 12 years of rich experience. During this time, he has been instrumental in designing, securing, and managing complex enterprise environments across various global clients. Vijaya Raju is also certified in ITIL 4 Intermediate and Windows Administration, further strengthening his capabilities in IT service management and system operations. His core expertise spans across cyber security engineering, change management, and Service, Now administration, with hands-on experience in enterprise-grade solutions including Palo Alto Networks, F5, Fortinet, Zscaler, and virtualization technologies like VMware

	ESXi.
	<p>Dr.N. Shilpa is a highly skilled Research Scientist with over 15 years of international experience. She completed her M.Sc. and Ph.D. from reputed universities in the UK and has worked as a researcher and R&D manager in the UK before returning to India to nurture biotech start-ups. Her expertise spans research, analysis, scientific writing, medical device development, and incubation management. Notably, one of her oncology medical device projects received FDA approval, and she played a key role in developing Nanoparticle Coated Light Activated Surgical Masks that were supplied globally during the COVID-19 pandemic.</p>
	<p>Dr. Sharon is a distinguished bioinformatics researcher and educator with a Bachelor's in Biotechnology, a Master's and Ph.D. in Bioinformatics from Sri Venkateswara Institute of Medical Sciences, where she secured two gold medals and the Late P. Subramanyam IAS Gold Medal for academic excellence. She has built expertise in cancer transcriptomics, biomarker discovery, and in silico drug design, gaining national and international recognition for her work on personalized medicine and breast cancer theranostics at SVIMS, Tirupati. In her current role, she oversees the Central Instrumentation Facility, coordinates research and training programs, and manages the SAMRIDH Cohort under the State Government of Karnataka. Dr.</p>
	<p>Dr. Vishnu Yarlagadda is an Associate Professor at the School of Computer Engineering, Manipal Institute of Technology, Bengaluru, since August 2023. He earned his Ph.D. in Music Signal Processing from NITK Surathkal in 2019, after completing his M.Tech from GITAM University and B.Tech from GEC. Previously, he served at VIT Vellore, NITK Surathkal, GITAM University, ANITS, and GEC. Dr. Vishnu has published over 55 research articles (h-index 10) in reputed journals and conferences, including ACM Computing Surveys (IF 16) and Elsevier's Expert Systems with Applications (IF 7). He holds two patents, edited a book on Malware Analysis, and delivered 25+ invited talks on IoT, speech processing, medical imaging, machine learning, and career guidance. He is a recipient of the Best Teacher Award, reflecting his passion for teaching and research.</p>
	<p>Mr. Rajesh as a resource person and he is a Senior Software Developer at Halemind Inc., bringing over 10.5 years of experience in software development. He holds a B.Tech in Computer Science and Engineering from SCE. Throughout his career, Rajesh has gained extensive expertise in web frameworks, with a strong focus on their integration in artificial</p>

	<p>intelligence (AI) applications. His work spans building scalable web solutions, AI-driven platforms, and contributing to innovative healthcare technologies at Halemind. Rajesh continues to explore advancements in AI and modern web technologies, combining practical development skills with a deep understanding of intelligent system design.</p>
	<p>Mr. C. Rakesh Garu, as a resource Person who has over 10 years of experience in the IT Industry, with a strong focus on data analysis, business intelligence and data driven decision making. Currently he is a senior data analyst at Sri Vensy Technologies Pvt Ltd. He initially joined the organization as a Junior Data analyst and through consistent performance, hands on expertise and a passion for translating data into actionable insights, he progressed to senior role. His work involves leveraging tools like power BI, SQL Python and Excel to build dashboards, generate insights and support strategic business decisions. His journey in the IT and analytics space has equipped him with a strong analytical mindset, attention to detail and a problem solving approach that adds value to every project he take on.</p>
	<p>Dharshini JD is a distinguished technologist, academician, and corporate trainer, currently serving as the Chief Technology Officer (CTO) at Sri Vensy Technologies Pvt. Ltd. With a stellar academic background, she holds gold medals in M.E., MBA, and M.Sc. in Psychology from premier universities across India. passionate lifelong learner, she has completed 89 certifications from Microsoft and is a certified trainer with Microsoft, Oracle, and NASSCOM. Dharshini has also made significant contributions to drone technology, having designed and developed programming for various drone systems used in automation, surveillance, and smart tech applications. She is a highly respected corporate trainer, having conducted numerous training programs for industry professionals and organizations, helping bridge the gap between academic knowledge and industry needs.</p>

Session wise Details:

Inaugural Session:

The **Department of Computer Science, Shri Gnanambica Degree College (Autonomous)**, in association with **AICTE Training and Learning (ATAL) Academy, New Delhi**, organized a **Faculty**

Development Program (FDP) on, The Transformative Role of AI in Urban Development, Healthcare Advancements, and Emerging Industries which was inaugurated on 7 th July 2025.

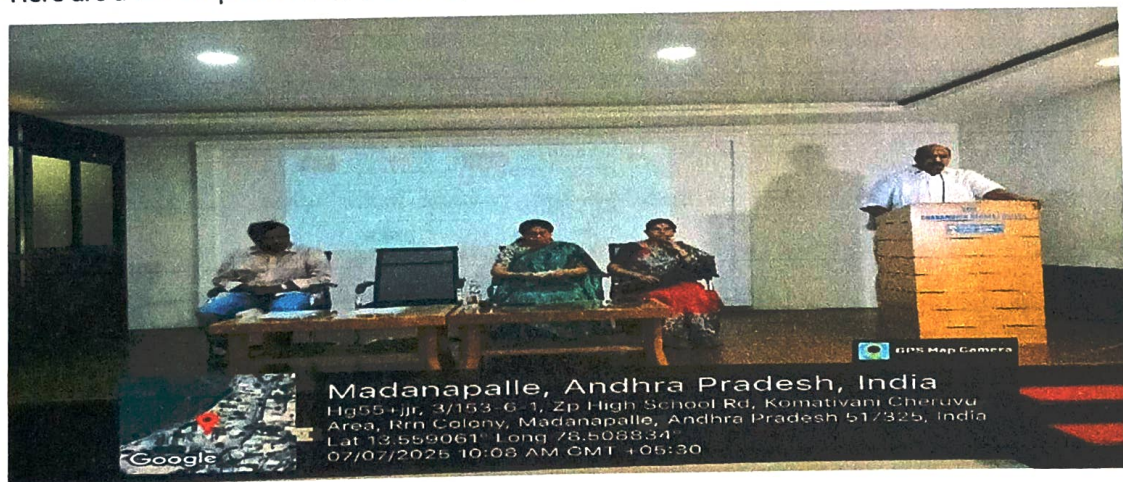
The inauguration ceremony was graced by the **Chief Guest Dr. V. Mahendran, Assistant Professor, Department of CSE, IIT Tirupati**, along with **Sri R.Guru Prasad, Correspondent, Shri Gnanambica Degree College (Autonomous)**, and **S.Rama Devi, Principal, Shri Gnanambica Degree College (Autonomous)**

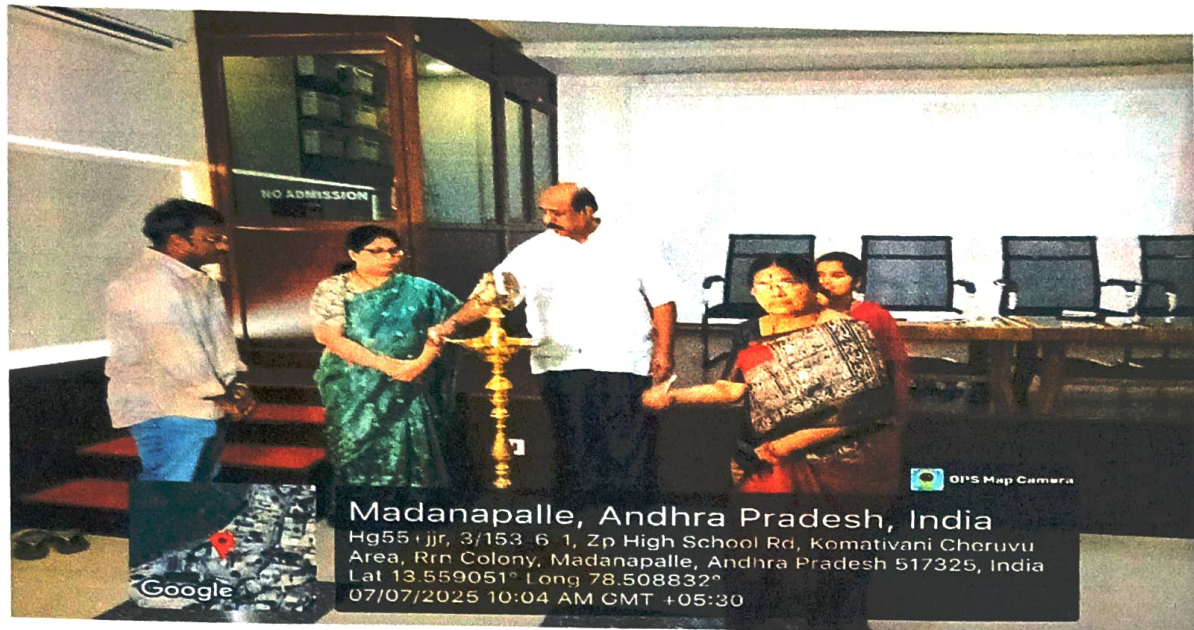
The event began with a **welcome address by Ms.S.Kavitha, the Coordinator** of the FDP. Mrs.S.Rama Devi Garu Convener brief idea about the entire FDP schedule including the resource persons, their details, expertise etc. She also emphasized the importance of Artificial Intelligence and Applications in today's interconnected digital world.

The **keynote address** was delivered by **Dr. V. Mahendran**, who highlighted various research trends, real-world applications, and career opportunities in the domains of Artificial Intelligence and Applications. His insightful presentation set the tone for the rest of the FDP sessions.

The inaugural event concluded with acknowledgments to all dignitaries, faculty members, and participants who contributed to the success of the program.

Here are a few snapshots from the inauguration ceremony:





Date: 7th July 2025, Monday

Day-1, Session 1

Topic: Introduction to AI and ML

Resource Persons: Dr. Humera Khanam, Professor, Sri Venkateswara University

The session began with an overview of AI and ML concepts, including their evolution, key definitions, and real-world significance. Dr. Khanam elaborated on various learning paradigms such as supervised, unsupervised, and reinforcement learning, and explained the differences between AI, ML, and deep learning. She also highlighted practical applications of these technologies in fields such as IoT, cybersecurity, and healthcare. The session included a **hands-on component**, where participants engaged in basic machine learning exercises using Python, involving data preprocessing, model building, and evaluation using platforms like Jupyter Notebook or Google Colab. The interactive approach and real-time demonstrations made the session highly effective. Participants gained not only conceptual clarity but also **practical exposure** to how AI and ML can be implemented in real scenarios. The session concluded with a Q&A where participants discussed project ideas and implementation challenges.



Session 2:

Topic: AI Applications in Urban Development

ResourcePersons: Mr.MS.Rajani Kanth, Assistant Professor, SGDC(A).

The session focused on how Artificial Intelligence is transforming urban spaces through smart infrastructure, intelligent transportation systems, energy-efficient buildings, and data-driven governance. Mr. Rajani Kanth discussed the integration of AI in city planning, traffic management, waste management, and public safety. He presented several real-world case studies demonstrating the use of AI for predictive analytics in urban mobility, environmental monitoring, and resource optimization. The session emphasized the role of machine learning models in analyzing large-scale urban data to support evidence-based decision-making by city authorities. Participants gained valuable insights into how AI technologies are contributing to the creation of sustainable and resilient smart cities. The session was well-received for its relevance and practical approach, sparking interactive discussions and questions from the attendees.



Date: 8th July 2025, Tuesday

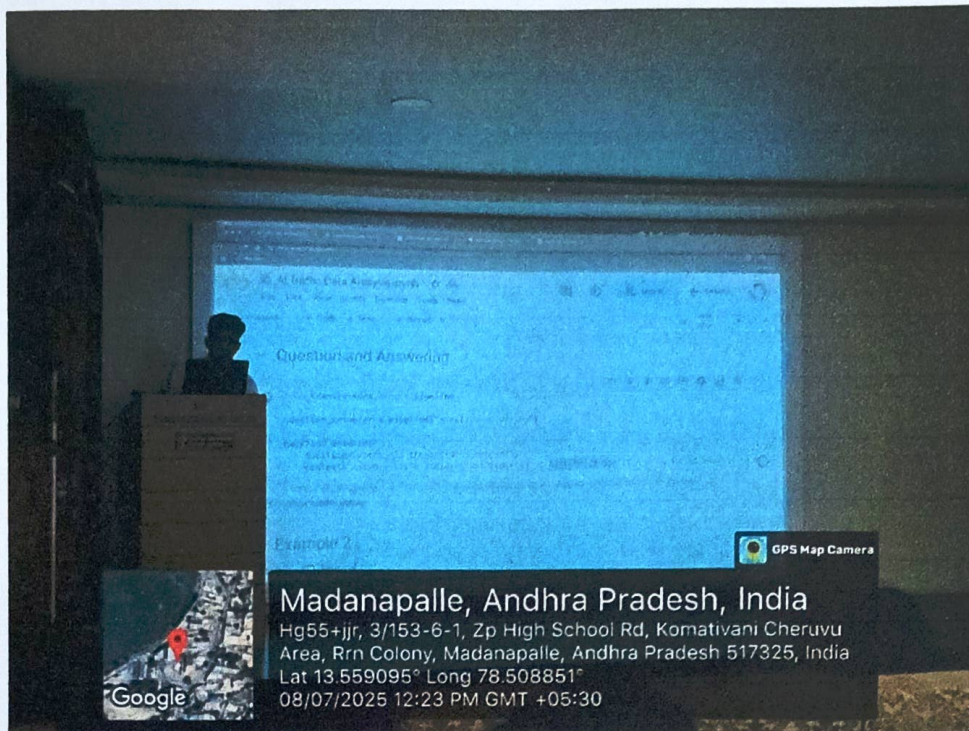
Day-2,

Session 3:

Topic: AI in Smart Traffic Management

Resource Person: Dr. M. V. Manoj Kumar , Professor, Niitte Meenakshi Institute of Technology

The session highlighted the crucial role of Artificial Intelligence in optimizing traffic flow, reducing congestion, and enhancing road safety in urban environments. Dr. Manoj Kumar explained how AI-powered systems, including real-time data analytics, computer vision, and machine learning algorithms, are being used to monitor traffic conditions, detect violations, and manage traffic signals dynamically. He discussed practical implementations such as adaptive traffic signal control, automatic number plate recognition (ANPR), and AI-driven traffic prediction models. The session also featured case studies from Indian smart cities where AI solutions have been deployed successfully to address traffic-related challenges. Participants gained a deeper understanding of how integrating AI with IoT and cloud technologies can lead to more efficient and sustainable urban mobility solutions. The session was both technically rich and practically relevant, sparking discussions on future innovations in smart transportation systems.

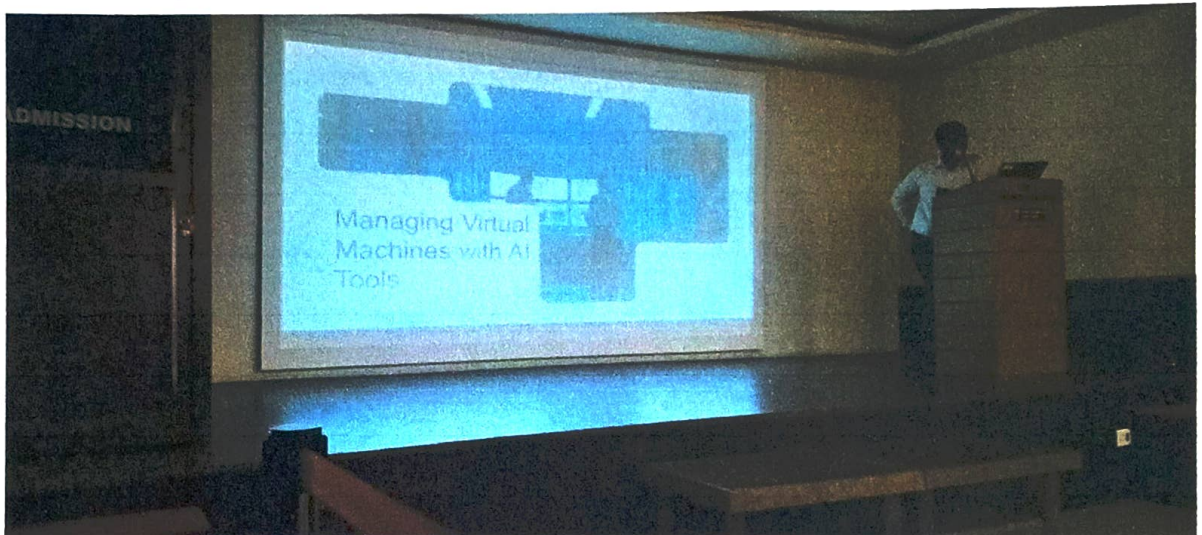


Session 4:

Topic: AI in Energy Management and Sustainability

Resource Person: Mr. B. Vijay Raju, Senior Security Engineer, UNISYS

The session focused on how Artificial Intelligence is playing a transformative role in optimizing energy usage and promoting sustainable practices across industries and urban infrastructure. Mr. Vijay Raju explained how AI techniques such as predictive analytics, load forecasting, anomaly detection, and intelligent automation are being used to monitor and control energy systems in real time. He discussed applications in smart grids, renewable energy integration, and energy-efficient building management. The session also addressed the role of AI in achieving sustainability goals by reducing energy wastage, optimizing resource allocation, and enabling data-driven environmental policies. Real-world case studies and AI-based tools for energy auditing and demand-side management were shared to give participants practical insights. The session concluded with a discussion on the future of green AI technologies and the need for interdisciplinary collaboration to build smart, energy-efficient ecosystems.





Date: 9th July 2025, Tuesday

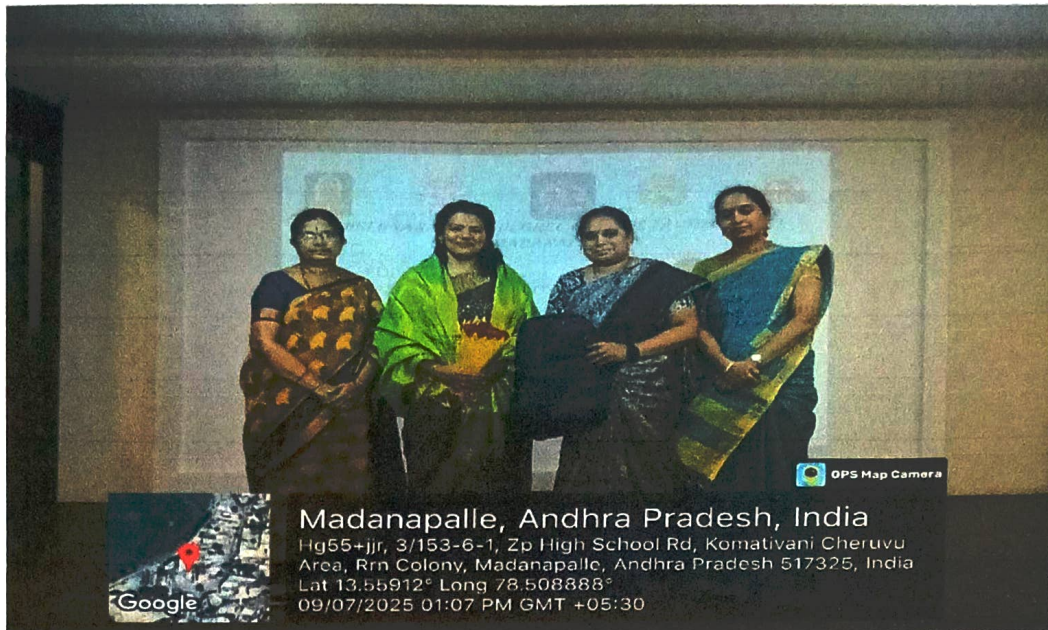
Day-3,

Session 5:

Topic: AI in Medical Imaging and Diagnosis

Resource Person: Dr. N. Silpa, Chief Scientist, APIIC

The session focused on how Artificial Intelligence is revolutionizing the healthcare industry, particularly in the areas of medical imaging, disease detection, and diagnostic decision-making. Dr. Silpa explained how AI algorithms, especially deep learning and convolutional neural networks (CNNs), are being used to analyze medical images such as X-rays, MRIs, CT scans, and ultrasounds with high accuracy and efficiency. The session covered real-world applications including early detection of diseases like cancer, cardiovascular conditions, and neurological disorders. Dr. Silpa also discussed the integration of AI with radiology systems, electronic health records, and cloud platforms for improved diagnostic workflows and patient outcomes. Ethical considerations, data privacy, and the need for regulatory frameworks in AI-driven healthcare were also highlighted. Participants appreciated the depth of the content and the relevance of AI applications in modern medical practices. The session concluded with an engaging Q&A on the future scope of AI in personalized and precision medicine.

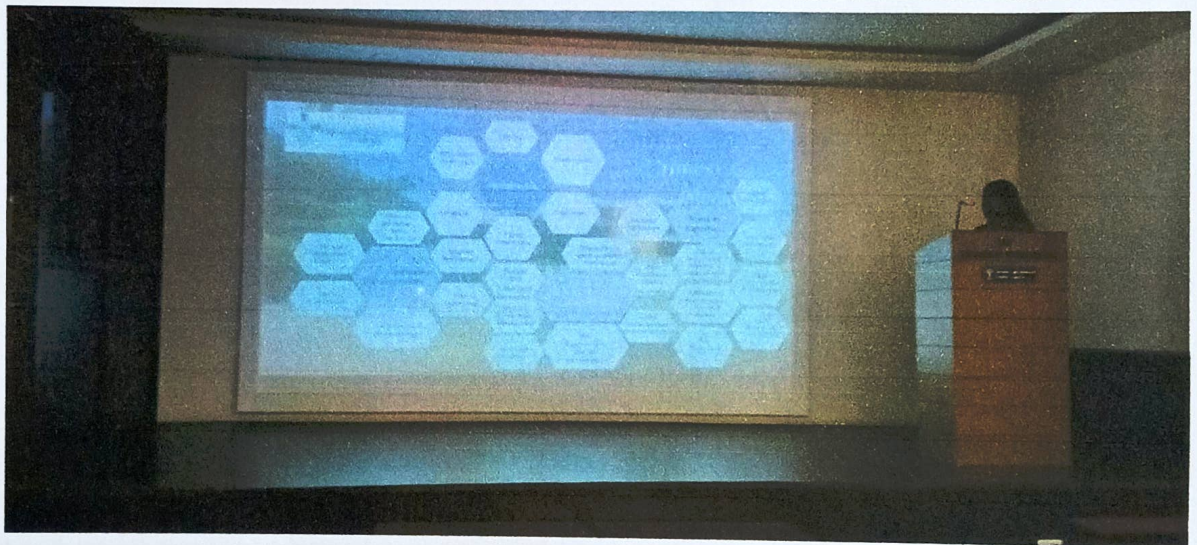
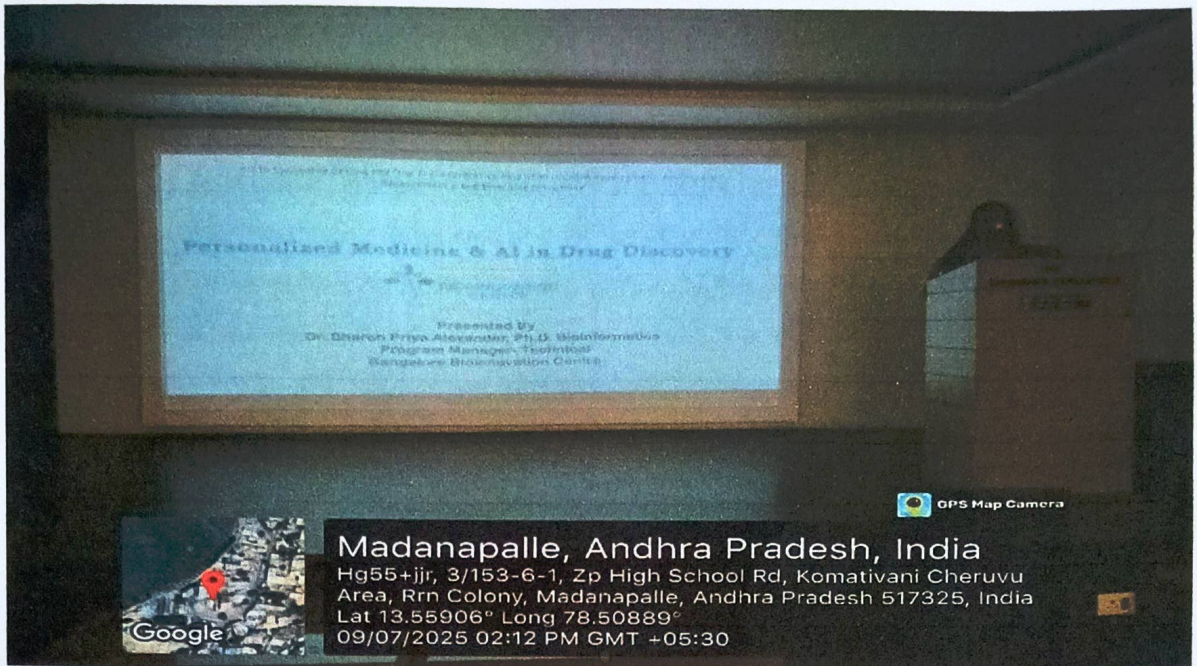


Session 6:

Topic: Personalized Medicine and AI in Drug Discovery

Resource person: Dr. Sharon Priya Alexander, Manager, Bangalore Bio Innovation center

The session explored the transformative impact of Artificial Intelligence in modern pharmaceutical research and precision healthcare. Dr. Sharon explained how AI tools are being used to accelerate the drug discovery process, from target identification to lead compound prediction. She provided a detailed walkthrough on how AI algorithms can help identify disease-specific proteins and match them with potential drug candidates, significantly reducing the time and cost of traditional drug development cycles. The session also covered the application of machine learning models and deep learning techniques in analyzing biomedical data, predicting drug responses, and customizing treatments for individual patients based on their genetic makeup. A special focus was given to hands-on demonstrations using AI-based platforms and tools used in bioinformatics for protein structure prediction and drug-protein interaction modeling. The session was highly informative and interactive, giving participants practical insights into the convergence of AI, genomics, and pharmacology for next-generation healthcare solutions.



Date: 10th July 2025, Thursday

Day-4,

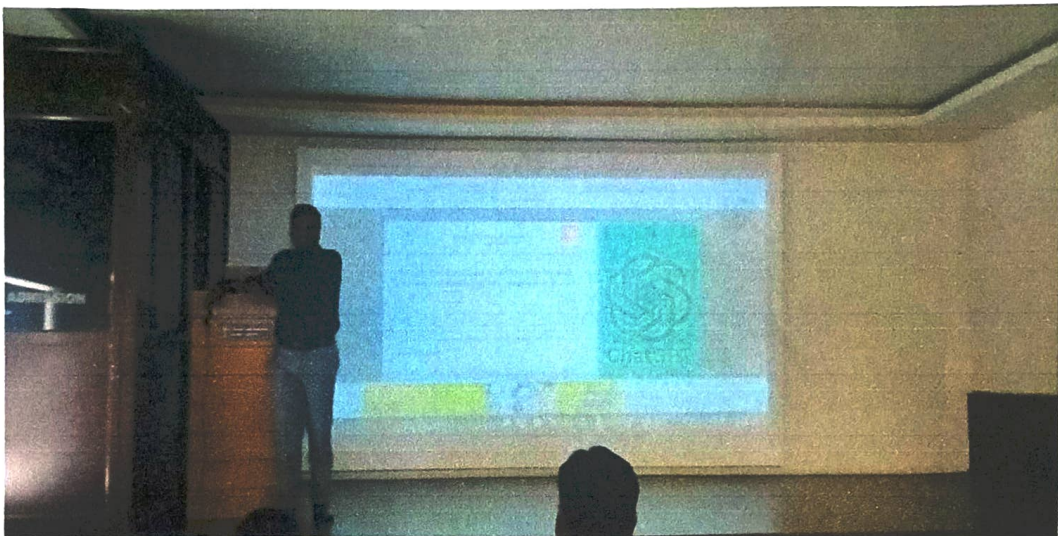
Session 7:

Topic: AI in FinTech: Fraud Detection and Risk Management

Resource Person: Dr. Vishnu Yarlagadda, Associate professor, Manipal Institute of technology

The session focused on how Artificial Intelligence is reshaping the financial technology landscape by enhancing the security, efficiency, and reliability of digital financial services. Dr. Vishnu explained how

AI and machine learning algorithms are being used to detect fraudulent transactions in real-time, identify anomalies, and assess credit and operational risks more accurately than traditional methods. He discussed various AI techniques such as pattern recognition, predictive analytics, and neural networks used in fraud prevention systems. The session also highlighted the use of AI in customer profiling, KYC automation, and risk scoring to improve decision-making in banking and insurance sectors. Real-world case studies and tools were showcased to demonstrate the implementation of AI in high-risk financial environments. Dr. Vishnu emphasized the importance of ethical AI practices, data security, and regulatory compliance in the rapidly evolving FinTech space. The session was engaging and enriched participants with a deep understanding of how AI can be leveraged for secure and smart financial operations.



Session 8:

Topic: AI in Autonomous Vehicles and Smart Manufacturing

Resource Person: T.Rajesh, Senior Developer, Halmind Inc

The session explored how Artificial Intelligence is driving innovation in the fields of intelligent transportation and Industry 4.0. Mr. Rajesh explained the role of AI in enabling self-driving vehicles through technologies such as computer vision, sensor fusion, path planning, and real-time decision-making. He also discussed how smart manufacturing leverages AI for predictive maintenance, quality control, process optimization, and robotics integration. A key highlight of the session was a **live demonstration using a hardware kit**, where Mr. Rajesh showcased a working model simulating

autonomous vehicle behavior and smart factory operations. The hands-on demonstration provided practical exposure to participants, helping them understand how AI algorithms are implemented in embedded systems for real-world applications. The session was highly interactive and sparked curiosity among participants, bridging the gap between theoretical learning and practical implementation in emerging AI-driven industries.



Date: 11th July 2025,

Friday

Day 5th:

Industrial Visit

Company Name: Sri Vensy Technologies Pvt Ltd, Tirupati.

Sri Vensy Technologies Pvt. Ltd., based in Tirupati, Andhra Pradesh, is one of the fastest-growing and most innovative IT startups in India, recently recognized with the "**Fastest Growing & Most Innovative IT Startup 2024**" award by Blindwink India Excellence Awards. The company specializes in hands-on technical training, industrial visits, workshops, and real-time project development in areas such as Artificial Intelligence, Data Science, Cybersecurity, and Embedded Systems. With a strong focus on bridging the gap between academia and industry, Sri Vensy Technologies collaborates with numerous engineering colleges and institutions, providing students with practical exposure to emerging technologies. The company has quickly established itself as a trusted partner for upskilling, offering career-oriented programs that empower students and professionals alike.



As part of the Faculty Development Program, **60 participants visited Sri Vensy Technologies Pvt. Ltd.**, Tirupati, for an **industry interaction session focused on Artificial Intelligence**. During the visit, participants were introduced to real-time AI applications, current industry trends, and practical demonstrations of AI-based systems. The session provided valuable insights into how AI is implemented in sectors like healthcare, smart cities, finance, and manufacturing. This hands-on exposure helped bridge the gap between theoretical knowledge and industrial practices, enhancing the participants' understanding and encouraging them to incorporate AI concepts into their teaching and research activities.

Session 9:

Topic: "Research Opportunities in Artificial Intelligence"

Resource person: Mr. C. Rakesh, Senior Analyst

The session focused on the vast and evolving landscape of AI research, highlighting key areas such as machine learning, deep learning, natural language processing, computer vision, and AI in interdisciplinary domains like healthcare, agriculture, education, and smart cities. Mr. Rakesh emphasized the importance of problem identification, literature review, and selecting impactful research topics. He also shared valuable insights on writing research proposals, publishing in reputed journals, and collaborating with industry and academic institutions. The session motivated participants to explore AI not only as a teaching subject but also as a fertile ground for innovation and scholarly contribution. The interactive discussion helped faculty members understand emerging trends, funding opportunities, and how to align their research interests with real-world challenges.



Date:12thJuly2025,

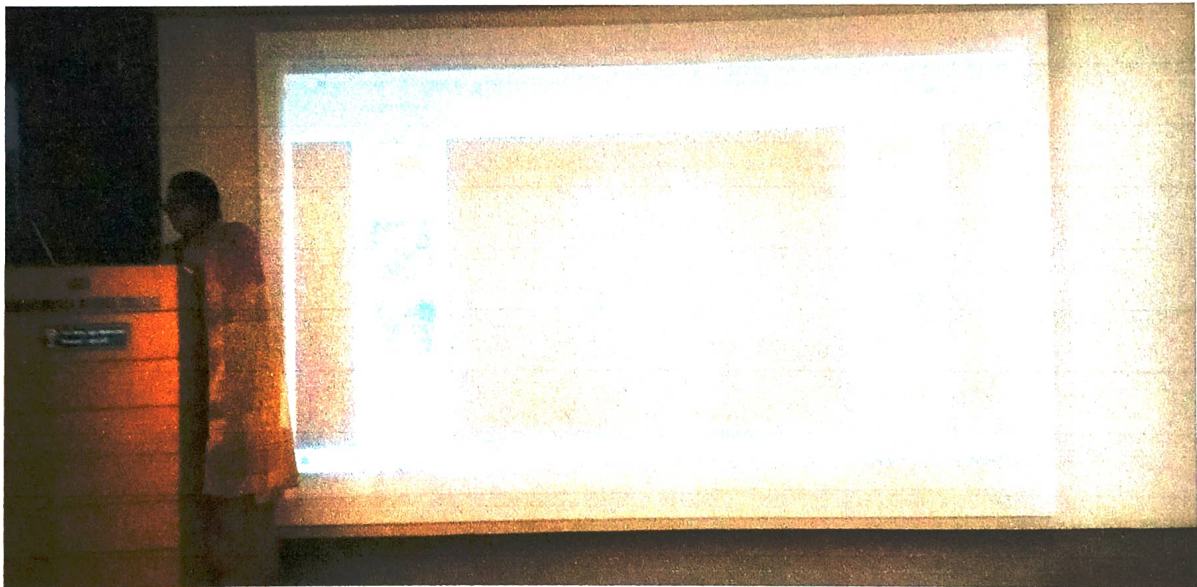
Saturday

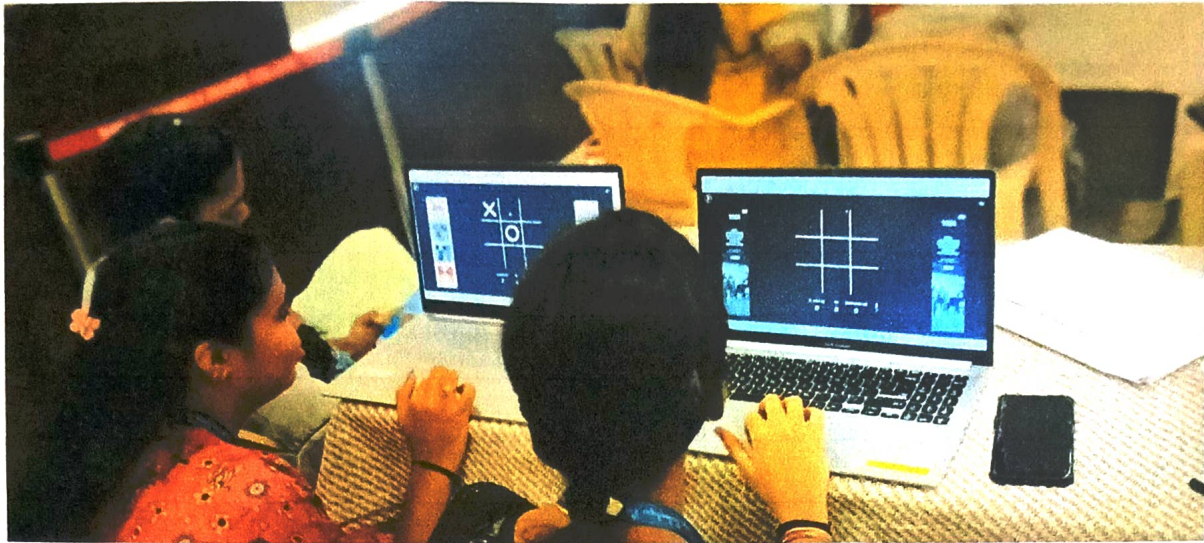
Day 6th:

Topic: AI Project Work and Industry Applications

Resource Person: Mrs. Dharshini JD,CTO,Srivensy Technologies, Tirupati.

Dharshini JD explained how Artificial Intelligence can be effectively implemented in real-time industrial scenarios and academic projects. A highlight of the session was a **hands-on demonstration where participants developed a simple AI-powered Tic Tac Toe game**, showcasing how basic AI logic can be applied to real-world problem-solving through games. The session covered key stages of AI project development—from defining the problem to model implementation and deployment. Ms. Dharshini also discussed real-time use cases of AI in domains like healthcare, finance, agriculture, and smart systems. Her practical insights and interactive approach encouraged participants to mentor students in designing innovative and application-oriented AI projects that align with industry needs.





Session was followed by Valedictory session. **Mrs.S.Kavitha**, Assistant Professor, Dept. of Computer Science presented the vote of thanks and concluding remarks of the session.

Participant List:

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Feedback Analysis:

The **Faculty Development Program (FDP)** on "The Transformative Role of AI in Urban Development, Healthcare Advancements, and Emerging Industries" received overwhelmingly positive feedback from the participants. The **overall Satisfactory Ratio was 94.55%**, indicating a high level of appreciation and engagement. Participants actively took part in all six days of the program, showing enthusiasm during technical sessions, hands-on activities, and interactive discussions with the resource persons. The sessions effectively covered a wide array of contemporary and emerging topics such as **AI in Healthcare, AI in Urban Planning, Smart Manufacturing, and Risk Management in FinTech**. The blend of theoretical knowledge, practical demonstrations, and exposure to AI tools was highly valued. Many participants expressed that the FDP enhanced their teaching abilities, research direction, and industry readiness. The constructive feedback received will be used to further improve future programs.

Outcomes of the FDP:

1. **Enhanced Technical Knowledge:** Participants gained in-depth understanding of AI, IoT, Cybersecurity, and their applications in various domains like urban development, healthcare, and smart industries.

2. **Hands-on Exposure:** The program included practical sessions using tools such as Tinkercad, Python, and AI modeling platforms, enabling participants to apply theoretical knowledge in real-time scenarios.
3. **Industry-Academia Interface:** Experts from academia and industry shared real-world use cases, bridging the gap between classroom teaching and industrial practices.
4. **Research & Project Guidance:** The sessions provided insights into current research trends, proposal writing, and AI project development, empowering faculty to guide students in innovative projects.
5. **Curriculum Enrichment & Collaboration:** Participants were motivated to integrate emerging technologies into their teaching modules and explore interdisciplinary collaborations for future research.

Media Coverage:

సాక్షి

ఏవెతో విప్లవాత్మక మార్పులు

మదనపల్లె రూరల్ : ఆర్టిఫిషియల్ ఇంటెలిజెన్స్ (ఏఐ) పట్టణ అభివృద్ధి, ఆరోగ్య సంరక్షణ, అభివృద్ధి చెందుతున్న పరిశ్రమల్లో విప్లవాత్మక మార్పులు తెస్తోందని ఐఐటీ ప్రొఫెసర్ డాక్టర్ మహేంద్రన్ అన్నారు. ఆల్ ఇండియా కౌన్సిల్ ఫర్ టెక్నికల్ ఎడ్యుకేషన్ ఆధ్వర్యంలో సోమవారం శ్రీ జ్ఞానాంబిక డిగ్రీ కళాశాలలో అటల్ ఫ్యాకల్టీ డెవలప్ మెంట్ ప్రోగ్రాం ప్రారంభించారు. ఆరు రోజుల పాటు జరిగే శిక్షణా కార్యక్రమంలో రిసోర్స్ పర్సన్స్, ఫ్యాకల్టీకి బోధనపై అవగాహన కల్పించనున్నట్లు తెలిపారు. డాక్టర్ మహేంద్రన్ మాట్లాడుతూ పట్టణ అభివృద్ధిలో ఏఐ వనరుల కేటాయింపును ఆప్టిమైజ్ చేస్తోందని తెలిపారు. ప్రొఫెసర్ ఎం.ఎస్.రజనీకాంత్, కరస్పాండెంట్ డాక్టర్ రాటకొండ గురు ప్రసాద్, ప్రిన్సిపాల్ సురభి రమాదేవి, కోఆర్డినేటర్ కవిత, అధ్యాపకులు, స్టూడెంట్స్ పాల్గొన్నారు.

Hans India AICTE-ATAL FDP on AI begins at Gnanambica College



HANS NEWS SERVICE
MADANAPALLE

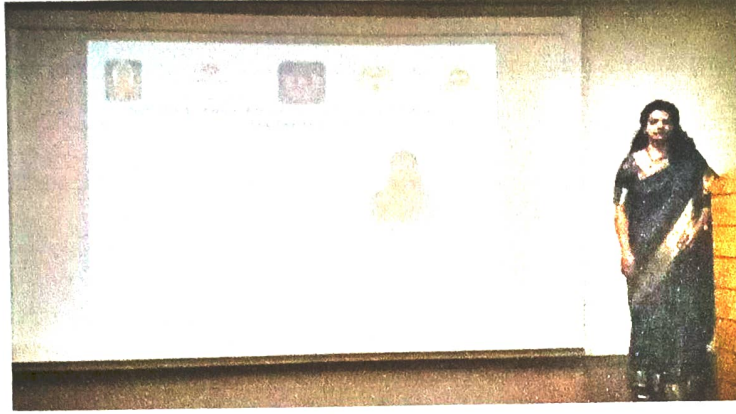
SHRI Gnanambica Degree College (Autonomous), Madanapalle launched a six-day Faculty Development Programme (FDP) on Artificial Intelligence under the AICTE-ATAL scheme from July 7 to 12. Dr Mahendran from IIT Tirupati inaugurated the programme as the chief guest.

The sessions focused on AI's growing impact in sectors such as urban development, healthcare, and

emerging industries. Dr Humera Khanam, the resource person highlighted the role of machine learning in driving predictive analytics and automation. Assistant Professor MS Rajnikanth discussed AI's real-world applications in urban planning and infrastructure.

Correspondent Dr Ratakonda Guruprasad, Principal Ramadevi, and programme coordinator Kavitha took part in the event along with faculty, research scholars and students.

ఆరోగ్యరంగంలో ఏఐ విప్లవాత్మక పాత్ర



మదనపల్లె టౌన్, జూలై 09, మన సాక్షి :

వైద్య ఆరోగ్య రంగంలో ఆర్టిఫీషియల్ ఇంటెలిజెన్స్(ఏఐ) విప్లవాత్మక పాత్ర పోషిస్తోందని చీఫ్ సైంటిస్ట్ డాక్టర్.శిల్పా నాయుని అన్నారు. ఆల్ ఇండియా కౌన్సిల్ ఫార్ టెక్నికల్ ఎడ్యుకేషన్ ఆధ్వర్యంలో, పట్టణంలోని శ్రీ జ్ఞానాంబికా డిగ్రీ కళాశాలలో నిర్వహిస్తున్న ఆటల్ ఫ్యాకల్టీ డెవలప్ మెంట్ ప్రోగ్రామ్ లో భాగంగా మూడోరోజు అవగాహన కార్యక్రమం జరిగింది. ఈ సందర్భంగా డాక్టర్.శిల్పా నాయుని, ఆరోగ్య సంరక్షణ రంగంలో డయాగ్నోస్టిక్ ఇమేజింగ్ లో ఏఐ ఎలా విప్లవాత్మక మార్పులు చేస్తోందో వివరించారు. అధునాతన అల్లోరిథం, మెషిన్ లెర్నింగ్ ను సమగ్రపరచడం ద్వారా ఎక్స్%-%కిరణాలు, ఎంఆర్ఐలు, సీటీ స్కాన్, అల్ట్రాసౌండ్లు, డీఎక్స్ఏ తదితర వైద్య చిత్రాల వివరణను ఏఐ గణనీయంగా పెంచుతుందన్నారు. ఆరోగ్య సంరక్షణ నిపుణులు వైద్య పరిస్థితులను ఎక్కువ వేగం, కచ్చితత్వంతో గుర్తించడంలో, నిర్ధారించడంలో ఏఐ ఎంతగానో సహాయపడు తుందన్నారు. రోగి ఫలితాలను అంచనా వేయడమే కాకుండా అధిక నాణ్యత, సంరక్షణను అందించడంలో వైద్యులకు మద్దతు ఇస్తుందన్నారు. మధ్యాహ్నం జరిగిన కార్యక్రమంలో డాక్టర్.షారన్ ప్రియా అలెగ్జాండర్, ఔషధ అవిష్కరణ ,వ్యక్తిగతీకరించిన ఆరోగ్యసం రక్షణలో ఏఐ పరివర్తన పాత్రను విశదీకరించారు. జన్యుసంబంధ సమాచారం, రోగి వైద్యచరిత్రలతో సహా పెద్ద డేటాసెట్లను విశ్లేషించడం ద్వారా ఏఐ ఆశాజనకమైన ఔషధ అభ్యర్థులను గుర్తించడం, రోగి నిర్దిష్ట ఔషధ ప్రతిస్పందనలను అంచనా వేయడంలో, చికిత్స వ్యూహాలను చక్కగా ట్యూన్ చేయడంలో సహాయపడుతుందన్నారు. ఏఐ చికిత్స ప్రభావాన్ని పెంచుతూ, రోగి ఫలితాలను మెరుగుపరుస్తూ, వేగవంతమైన, మరింత ఖర్చుతో కూడుకున్న ఔషధ అభివృద్ధికి దారితీస్తుందన్నారు. కార్యక్రమంలో కళాశాల కరస్పాండెంట్ డాక్టర్. రాటకొండ గురుప్రసాద్, ప్రిన్సిపాల్ సురభి రమాదేవి, వైస్ ప్రిన్సిపాల్ రాఘవేంద్ర, అధ్యాపకురాలు రమ్య, పరిశోధక విద్యార్థులు పాల్గొన్నారు.

మన సాక్షి

<https://epaper.manasakshi.in/clip/66537>
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News Links:

<https://www.youtube.com/watch?v=cwBlzJgdcSc> (time 7:20 – 9:44)

<https://www.youtube.com/watch?v=FilANUUEKPE> (time 16:00 -17:40)



**CO-ORDINATOR
AICTE ATAL FDP**

Mrs. S. Kavitha

Coordinator

Assistant Professor

Shri Gnanambica Degree College (A), MPL

Date:



PRINCIPAL

Shri S. Ramadevi

Principal (AUTONOMOUS)

Shri Gnanambica Degree College (A), MPL

Date: